

Name _____ Date _____ Bell _____

Observation is the Key

Quantitative or Qualitative?

Identify each observation as N for Quantitative or L for Qualitative.

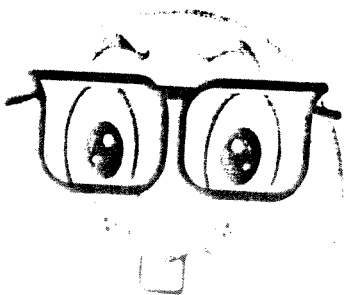
- _____ 1. Susan has a temperature of 101.
- _____ 2. Michael is wearing a blue jacket and a white shirt.
- _____ 3. The baby boy is pulling the red toy wagon.
- _____ 4. My house has 4 bedrooms and 3 bathrooms.
- _____ 5. Cathy received twenty dollars for four hours of babysitting.
- _____ 6. The quarterback scored three touchdowns last night.
- _____ 7. The sky is cloudy and grey.
- _____ 8. The scientist poured 50 ml of liquid into the beaker.
- _____ 9. The container is shiny and black.
- _____ 10. It is cold and windy outside today.



Observation or Inference.

Identify each statement as O for Observation or I for Inference.

- _____ 11. There are six marbles in the pan.
- _____ 12. The best students sit in the front of the class.
- _____ 13. Perhaps Katie is sick because she is absent.
- _____ 14. The sports car is red and black.
- _____ 15. Tim is the fastest runner on the team because he wears the best shoes.
- _____ 16. The basketball bounced five times before it hit the building.
- _____ 17. There are 25 students in my homeroom class.
- _____ 18. The mass has a few shoppers because it is cold outside.
- _____ 19. The pizza has many different toppings.
- _____ 20. Halloween is everyone's favorite holiday.



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Quantitative: an exact or specified amount or measure.

Qualitative: distinctive characteristic, attribute, or property.



Zed collected data from his stay here on earth. Read each entry and classify the data as qualitative or quantitative. Can you guess where Zed was when he gathered his information?

	Quantitative	Qualitative
1. All of the people on one side wore red, and all of the people on the other side wore blue.		
2. At 3:00 PM the crowd began to make noise.		
3. After I shook a can of soda, the liquid inside shot up 3 m into the sky. 9 people above me began to yell.		
4. The ball was round and covered in black and white hexagons.		
5. When people in red ran to the blue side's net, the crowd yelled louder.		
6. One person in blue hit the ball with her head 4 times.		
7. The player in red ran faster than all of the other players.		
8. The ball went 22 m in 6 seconds.		
9. The ice cream I spilled in my lap had a temperature of 5 degrees Celsius.		
10. The people in blue earned 3 points and the people in red earned 2 points.		

Snow is cold, white, fluffy, and slippery. If you examine it closely, you may be able to see single snowflakes each with six points. A flake may be only 4 mm across, but billions of them can form a snowdrift. If the temperature goes above 0 degrees Celsius, the flakes melt.

Write three qualitative observations and three quantitative observations about snow.

Qualitative

- a. _____
- b. _____
- c. _____



Quantitative

- a. _____
- b. _____
- c. _____